Siemens 39SDM024DCCBN 16101-174R/12

Discrete I/O Module

APACS+ Standard Discrete 24 V module identified for discrete process-signal service; the 16101-174R/12 marking is preserved as supplied.

IDENTITY SNAPSHOT	
H1 APACS+ module	**H2** Standard discrete function
H3 24 V designation	**H4** Exact 16101-174R/12 marking retained

System position

1	24 V field states
2	Termination and commons
3	39SDM024DCCBN processing
4	APACS+ controller

Document boundary

This dossier uses exact-model evidence and clearly identified family context. Unsupported values are intentionally left for nameplate, project-record or revision-manual verification.

Architecture and interface control

APACS+ Standard Discrete 24 V module identified for discrete process-signal service; the 16101-174R/12 marking is preserved as supplied.

SYSTEM FLOW	
1	24 V field states
2	Termination and commons
3	39SDM024DCCBN processing
4	APACS+ controller

Interface map

APACS+ rack	Backplane and module-bus connection
Field termination	24 V discrete circuits; verify exact point assignment
Channel commons	Confirm against the /12 assembly drawing
Status indication	Interpret with the exact revision documentation

Engineering rule

Use the full Siemens 39SDM024DCCBN 16101-174R/12 identity in drawings, spares records and acceptance evidence. A similar family code is not proof of interchangeability.

03 / TECHNICAL DATA

Verified engineering data

Values below are limited to the reviewed exact-model or directly applicable manufacturer-family evidence.

Manufacturer	Siemens / Moore
Base model	39SDM024DCCBN
Additional marking	16101-174R/12
Published designation	APACS+ Standard Discrete -24V
Direction/channel data	Not inferred from another suffix
Electrical limits	Verify from the exact assembly documentation

CHANGE CONTROL

Record

Capture the complete nameplate, revision and installed position.

Compare

Check replacement hardware against project and service records.

Protect

Apply the documented power-isolation and ESD procedure.

Prove

Complete a model-specific functional test before release.

Service logic

Use evidence in sequence; do not skip directly from a fault symptom to part substitution.

1	Capture symptoms and existing status
2	Verify power, wiring, slot and surrounding system
3	Test 39SDM024DCCBN 16101-174R/12 against the exact service procedure
4	Replace only after the module is isolated as the cause
5	Commission and archive results

Model-specific precautions

1 Keep the full 39SDM024DCCBN 16101-174R/12 identity.	**2** Photograph the nameplate and PCB revision.
3 Archive the I/O database and loop drawings.	**4** Isolate rack and field power before removal.
5 Do not infer channel count or direction from /8, /10 or other suffixes.	**6** Verify each common, field supply and termination point.

Decisions and Apter Power support

What is Siemens 39SDM024DCCBN 16101-174R/12?

It is identified in the APACS+ family as a Standard Discrete 24 V module; the supplied 16101-174R/12 marking is preserved.

How many channels does Siemens 39SDM024DCCBN 16101-174R/12 have?

The reviewed evidence does not establish the exact channel count for the R/12 assembly, so it must be read from its documentation or nameplate.

Can Siemens 39SDM024DCCBN 16101-174R/12 use /8 specifications?

No. A different suffix may represent a different assembly or revision.

What records are needed before replacing Siemens 39SDM024DCCBN 16101-174R/12?

Preserve the I/O database, loop drawings, point direction, commons, terminal assignment and rack slot.

Apter Power verification record

Model identity	Keep the complete Siemens model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references	Scope note
Siemens 39SDM024DCCBN 16101-174/8	Portfolio reference only; verify compatibility independently.
Siemens 16101-174/10	Portfolio reference only; verify compatibility independently.



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